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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/786,245	02/24/2004	3662	507		7	24	5

CONFIRMATION NO. 5011

28731
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35 FAIRMONT ST #3
ARLINGTON, MA 02474

FILING RECEIPT



OC000000012700749

Date Mailed: 05/18/2004

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Applicant(s)

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- Pace Gaillard Willisson, Medway, MA;
- Jay Loring Gainsboro, Framingham, MA;
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Domestic Priority data as claimed by applicant

This appln claims benefit of 60/463,525 04/17/2003

← Should be #60/467,729
Filed May 2, 2003

Foreign Applications

If Required, Foreign Filing License Granted: 05/18/2004

Projected Publication Date: To Be Determined - pending completion of Corrected Papers

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

Method and apparatus for optical odometry



METHOD AND APPARATUS FOR OPTICAL ODOMETRY

This application claims priority to provisional application #60/463,525 filed April 17 May 2, 2003, titled "Method and Apparatus for Optical Odometry".

Inventors: Kenneth Sinclair, Jay Gainsboro, Pace Willisson, Lee Weinstein

Field of the Invention

[001] The field of the invention relates to odometry, image processing, and optics, and more specifically to optical odometry.

Background of the Invention

[002] The dictionary defines an odometer as an instrument for measuring distance, and gives as a common example an instrument attached to a vehicle for measuring the distance that the vehicle travels. Indeed an odometer is a legally required instrument in all commercially sold vehicles. In passenger cars, the odometer may serve several useful functions. In one application, as a consumer purchases a used car, the odometer reading allows the consumer to measure how "used" a car actually is. In another application, a consumer may use a car odometer as a navigation aid when following a set of driving directions to get to a destination. In another application, a consumer may use odometer readings as an aid in calculating tax-deductible vehicle expenses.

[003] Typical passenger car odometers function by directly measuring the accumulated rotation of the vehicles wheels. Such a direct-mechanical-contact method of